From: Craig, Harry
To: Schneider, Jana
Subject: FW: Arcadis Proposal
Date: Friday, June 14, 2013 11:40:01 AM

From: Harry Craig [mailto:Craig.Harry@epamail.epa.gov]
Sent: Thursday, June 13, 2013 4:13 PM
To: Craig, Harry
Subject: Fw: Arcadis Proposal

----- Forwarded by Harry Craig/R10/USEPA/US on 06/13/2013 04:12 PM -----

From: MOORE Fredrick <MOORE.Fredrick@deq.state.or.us>
To: Harry Craig/R10/USEPA/US@EPA, "Bath, Bill" <bill.bath@lmco.com>, "Peters, Lynden" <Lynden.Peters@arcadis-us.com>
Cc: DRUBACK Lissa <DRUBACK.Lissa@deq.state.or.us>, MONROE Sheila <MONROE.Sheila@deq.state.or.us>, "Cole, Connie" <Connie.Cole@arcadis-us.com>
Date: 08/01/2012 04:46 PM
Subject: FW: Arcadis Proposal

Hi Harry, here's DEQ's comments on the air monitoring proposal for Lockheed Martin. Fredrick

From: BAILEY Mark
Sent: Wednesday, August 01, 2012 4:28 PM
To: MOORE Fredrick
Subject: Arcadis Proposal

Hello Fredrick. My comments are as follows:

- Within section 2.5 on page 15 it talks about calibrating the Instruments. It says at least daily it will perform a "bump" test to confirm response. I would like to know what the criteria is for passing a bump test. What is the allowable drift from the standard? If it fails, then the instrument needs to be recalibrated at zero and high concentration, and the linearity test should be repeated.
- The venting system sampling apparatus is shown in figure 4. It says within section 2.4 this system will minimize backpressure on the system. I have some concern the added elbow, sample probes, and in-line flow measurement device will cause substantial backpressure. Can they elaborate on how or why their system minimizes backflow?
- I would like to know how they intend to purge the sample probe for the Tedlar bag and canister samples.

Thanks Fredrick.